ABSTRACT SUBMISSION –– SOUMISSION DE RESUME

**Topic No.: / Sujet n° : 7 or / ou**

**proposed topic / sujet proposé:**

**Deployment of a coastal wide Fixed Visual Aids Service - Modernization of the light sources and remote control/monitoring systems of 900 lights at the German coast**

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ABSTRACT / RESUME:

**Within the next few years nearly 900 lights on the German coast will be renewed. They will be migrated into the „MTTS“ (marine traffic technology system) and its „VIF-service“ (fixed visual aids to navigation service, FXA).**

**The „VIF-service“ mainly consists of the lights and central components in 3 data centers. The central components provide:**

* **coast-wide overview of the status of all lights**
* **remote control and monitoring functions**
* **data management**
* **interfaces to other MTTS-services, etc.**

**While the central components have been mostly realized, the renewal of the 900 lights and their infrastructure will be a enormous challenge: The lights have a wide historically grown variety and must operate during the renewal. Therefore a detailed planning and some migration phases are required.**

**The goals for the renewal of the lights are:**

* **modular service structure and open interfaces to achieve manufacturer independence**
* **increased use of low-maintenance LED technology and remote maintenance functions**
* **reduction of the different light techniques: classification and standardization of the different light sources**
* **functional standardization of outstation control units**
* **coast-wide unified messages and commands for remote control and monitoring**
* **coast-wide unified interfaces and protocols**
* **bundling of technology and staff**

**The presentation gives an overview on the system layout, its functions and the actual progress of the project.**

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| **PLEASE RETURN TO** [**contact@iala-aism.org**](mailto:contact@iala-aism.org) **by 31st March 2017**  **VEUILLEZ RETOURNER A** [**contact@iala-aism.org**](mailto:contact@iala-aism.org) **avant le 31 mars 2017** |